

CD105PCT.ST25.txt  
SEQUENCE LISTING

<110> CropDesign N.V.  
 <120> Plants having modified growth characteristics and method for making  
the same  
 <130> CD-105-PCT  
 <150> US 60/528,113  
 <151> 2003-12-09  
 <150> EP 03104280.7  
 <151> 2003-11-19  
 <160> 18  
 <170> PatentIn version 3.3  
 <210> 1  
 <211> 1428  
 <212> DNA  
 <213> Nicotiana tabacum  
 <220>  
 <221> misc\_feature  
 <223> seedy1 coding sequence (CDS0689)  
 <400> 1  

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ctgaaaaccc	tttcggtag	gccatcatat	tcctttaat	ctgatttgtc	aagtaaggaa	180
aatcaaactc	ctttatgtt	gaattcatct	gttaatctct	catctccgtt	acccataaaag	240
ccacttaacc	ctaatgggc	tctggaaaat	tcaagactca	agccgaacaa	gcccaattcc	300
aaacagagtc	ttgatgagat	ggcgctaga	aagagcgaa	agggaaataga	tttccgtgat	360
gagaagaaaa	tagacgagga	aattgaagaa	attcagatgg	agatttagtag	tttgagttca	420
agatttaggg	ctttgagaat	tgaaaaggct	gagaaaactg	ttgctaagac	tgttggaaag	480
cgaggaaggg	ttgtggcagc	aaagtttatg	gagccaaaac	aaagtgttat	taagattgaa	540
gagcgtatat	caatgagtgc	aagaacaaag	gtggagcaga	gaaggggtct	tagtttagga	600
ccatctgaga	tttttactgg	aacgcggcgg	cgagggttga	gtatggggcc	atcagatatt	660
ctagcaggg	caacaaaggc	acggcaattt	ggaaagcaag	agatgattat	tactcctatt	720
cagccaatac	aaaacaggcg	aaagtcgtgt	ttttgaaagc	tcaagagat	tgaagaagag	780
ggaaaaagg	caagccttag	tcctaaatca	agaaaaactg	ctgcaagaac	aatggttaca	840
acaaggcagg	cagttaactac	aattgcatca	aagaagaatt	tgaaaaaaaga	tgatggactt	900
ttgagttcag	ttcagccaaa	gaagttttt	aaagatctcg	aaaagtctcg	tgctgctaatt	960
aagaaggccc	agaggccgg	gagggttgg	gcttagtaggt	ataatcagag	tacaattcag	1020
tcatcgttag	tgagaaaag	gtctttacct	gaaaatgata	aggatgagag	taagagaaat	1080
gataagaaac	ggtcgttatac	tgttagggaaa	acgcgtgtt	ctaaactca	gagcaagaat	1140
ttgggtactg	aaagttaggg	gaaaaagaga	tggaaattc	ctagtgatgt	tgttagttcat	1200
ggaaacacag	agagtgagaa	atctccacta	agcattattt	tgaagcctga	tttgcttccg	1260
cgaatttagga	ttgctcggt	tgtgaatgag	actcttaggg	attctggacc	tgctaaaaga	1320
atgatagagt	tgataggcaa	gaaatcgttt	ttcagtagt	atgaagataaa	ggagccaccc	1380
gtctgtcaag	ttttaagttt	tgcagaggaa	gatgctgaag	aggaataaa		1428

 <210> 2  
 <211> 475  
 <212> PRT  
 <213> Nicotiana tabacum

## CD105PCT.ST25.txt

<220>  
<221> MISC\_FEATURE  
<223> seedyl protein (CDS0689)

<400> 2  
Met Ser Val Leu Gln Tyr Pro Glu Gly Ile Asp Pro Ala Asp Val Gln  
1 5 10 15  
  
Ile Trp Asn Asn Ala Ala Phe Asp Asn Gly Asp Ser Glu Asp Leu Ser  
20 25 30  
  
Ser Leu Lys Arg Ser Trp Ser Pro Leu Lys Pro Leu Ser Val Arg Pro  
35 40 45  
  
Ser Asp Ser Phe Glu Ser Asp Leu Ser Ser Lys Glu Asn Gln Thr Pro  
50 55 60  
  
Leu Phe Glu Asn Ser Ser Val Asn Leu Ser Ser Pro Leu Pro Ile Lys  
65 70 75 80  
  
Pro Leu Asn Pro Asn Gly Ala Leu Glu Asn Ser Arg Leu Lys Pro Asn  
85 90 95  
  
Lys Pro Asn Ser Lys Gln Ser Leu Asp Glu Met Ala Ala Arg Lys Ser  
100 105 110  
  
Gly Lys Gly Asn Asp Phe Arg Asp Glu Lys Lys Ile Asp Glu Glu Ile  
115 120 125  
  
Glu Glu Ile Gln Met Glu Ile Ser Arg Leu Ser Ser Arg Leu Glu Ala  
130 135 140  
  
Leu Arg Ile Glu Lys Ala Glu Lys Thr Val Ala Lys Thr Val Glu Lys  
145 150 155 160  
  
Arg Gly Arg Val Val Ala Ala Lys Phe Met Glu Pro Lys Gln Ser Val  
165 170 175  
  
Ile Lys Ile Glu Glu Arg Ile Ser Met Ser Ala Arg Thr Lys Val Glu  
180 185 190  
  
Gln Arg Arg Gly Leu Ser Leu Gly Pro Ser Glu Ile Phe Thr Gly Thr  
195 200 205  
  
Arg Arg Arg Gly Leu Ser Met Gly Pro Ser Asp Ile Leu Ala Gly Thr  
210 215 220  
  
Thr Lys Ala Arg Gln Leu Gly Lys Gln Glu Met Ile Ile Thr Pro Ile  
225 230 235 240  
  
Gln Pro Ile Gln Asn Arg Arg Lys Ser Cys Phe Trp Lys Leu Gln Glu  
245 250 255  
  
Ile Glu Glu Glu Gly Lys Ser Ser Ser Leu Ser Pro Lys Ser Arg Lys  
260 265 270  
  
Thr Ala Ala Arg Thr Met Val Thr Thr Arg Gln Ala Val Thr Thr Ile  
275 280 285

## CD105PCT.ST25.txt

Ala Ser Lys Lys Asn Leu Lys Lys Asp Asp Gly Leu Leu Ser Ser Val  
 290 295 300

Gln Pro Lys Lys Leu Phe Lys Asp Leu Glu Lys Ser Ala Ala Ala Asn  
 305 310 315 320

Lys Lys Pro Gln Arg Pro Gly Arg Val Val Ala Ser Arg Tyr Asn Gln  
 325 330 335

Ser Thr Ile Gln Ser Ser Val Val Arg Lys Arg Ser Leu Pro Glu Asn  
 340 345 350

Asp Lys Asp Glu Ser Lys Arg Asn Asp Lys Lys Arg Ser Leu Ser Val  
 355 360 365

Gly Lys Thr Arg Val Ser Gln Thr Glu Ser Lys Asn Leu Gly Thr Glu  
 370 375 380

Ser Arg Val Lys Lys Arg Trp Glu Ile Pro Ser Glu Ile Val Val His  
 385 390 395 400

Gly Asn Thr Glu Ser Glu Lys Ser Pro Leu Ser Ile Ile Val Lys Pro  
 405 410 415

Asp Leu Leu Pro Arg Ile Arg Ile Ala Arg Cys Val Asn Glu Thr Leu  
 420 425 430

Arg Asp Ser Gly Pro Ala Lys Arg Met Ile Glu Leu Ile Gly Lys Lys  
 435 440 445

Ser Phe Phe Ser Ser Asp Glu Asp Lys Glu Pro Pro Val Cys Gln Val  
 450 455 460

Leu Ser Phe Ala Glu Glu Asp Ala Glu Glu Glu  
 465 470 475

<210> 3  
 <211> 1336  
 <212> DNA  
 <213> Oryza sativa

<220>  
 <221> misc\_feature  
 <223> seedyl coding sequence

<400> 3  
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 tcctcggtt ccagatcgcc ttggctcccc caaagccccg ccgtcgccgc cgtccgcaag 120  
 ggcgacaagg agaatcaccg ccccgaggtt gttgatgtcg ccgcccggcta cgacgtcgag 180  
 gccgagatcg gccacatcga ggcggagatc ctgcgcctct cgtcccggtt ccaccatctc 240  
 cgcgtctcca agcagccgga gcccaaccgc gacgacgctc cgatggggga gatggtcgcg 300  
 aaggtgaggg cccggccgag gggcctcagc ctcggccccc tggatgtgat ctccatcgtc 360  
 aatcgtgaga agcatccgct ggcaccaag cagcctccgg cgacgcgggg cagggggctc 420  
 agcctcgggc ccatggagat cggcggccgc aaccctaggg tgcccgcggc ggcgcagcat 480  
 cagcaacagc aacgcgctgg cacggcgcgg atcctgaagc caatcaagga gcctccggtg 540  
 cagcgtcgca gggcgctcg cctcggccgc ttggagatcc accacggcgt cggcagcaag 600  
 gcaccagcgg cggcgcggcgc caagccgttc accaccaagc tcaacgcccatt tcgagaagaa 660  
 acccgaccct ccaagcaatt cgccgtcccc gccaagccat ggcggcgtcgag caatacaagg 720  
 cagacactgg actcgaggca aggaacagca gcaagtgcag cgaaggcgcgag gagcccgagc 780

## CD105PCT.ST25.txt

cccaggcccc	ggaggcaatc	caatggcaag	gctactgaca	caaggggagg	caacaaggtg	840
gtggatgagc	tcaagccaa	aggtgcgtcg	tcaagtcaaga	gcggcagcgc	cgccgccc	900
gccactgcca	agaggatggc	ggggagctcc	aagatgaggg	tcatcccgag	ccgctacagc	960
ctcactcctg	gcgctccct	tggaagcagt	ggagcacagg	agaggcgcacg	caagcagtct	1020
ctcccaggat	catcagggga	tgcgaaccag	aatgaggaaa	ttagagcga	ggtcatcgag	1080
ccttccaatg	atccactctc	tcctcaaacg	atctccaagg	ttgctgaaat	gctcccaaag	1140
atcaggacca	tgccgcctcc	tgacgagagc	cctcgcgatt	ccggatgcgc	caagcgggtt	1200
gccgaattgg	tcggaaagcg	ctcggtcttc	acggctgcag	ccgaggacgg	gcggcgctc	1260
gacgtcgaag	cacccgagggc	gtcgcagaa	gcttgagatg	aaccaccatg	gtttgatccg	1320
ttccttccat	cagctc					1336

<210> 4  
<211> 431  
<212> PRT  
<213> Oryza sativa

<220>  
<221> MISC\_FEATURE  
<223> seedyl protein

<400> 4  
Met Glu Glu Asp Pro Leu Ile Pro Leu Val His Val Trp Asn Asn Ala  
1 5 10 15

Ala Phe Asp Asp Ser Ser Cys Ser Arg Ser Ala Trp Leu Pro Gln Ser  
20 25 30

Pro Ala Val Ala Ala Val Arg Lys Gly Asp Lys Glu Asn His Arg Pro  
35 40 45

Glu Val Val Asp Val Ala Ala Gly Tyr Asp Val Glu Ala Glu Ile Gly  
50 55 60

His Ile Glu Ala Glu Ile Leu Arg Leu Ser Ser Arg Leu His His Leu  
65 70 75 80

Arg Val Ser Lys Gln Pro Glu Pro Asn Arg Asp Asp Ala Pro Met Gly  
85 90 95

Glu Met Val Ala Lys Val Arg Pro Arg Pro Arg Gly Leu Ser Leu Gly  
100 105 110

Pro Leu Asp Val Ile Ser Ile Val Asn Arg Glu Lys His Pro Leu Arg  
115 120 125

Thr Lys Gln Pro Pro Ala Thr Arg Gly Arg Gly Leu Ser Leu Gly Pro  
130 135 140

Met Glu Ile Ala Ala Ala Asn Pro Arg Val Pro Ala Ala Ala Gln His  
145 150 155 160

Gln Gln Gln Gln Arg Ala Gly Thr Ala Arg Ile Leu Lys Pro Ile Lys  
165 170 175

Glu Pro Pro Val Gln Arg Arg Gly Val Ser Leu Gly Pro Leu Glu  
180 185 190

Ile His His Gly Val Gly Ser Lys Ala Pro Ala Ala Arg Ala Lys  
195 200 205

## CD105PCT.ST25.txt

Pro Phe Thr Thr Lys Leu Asn Ala Ile Arg Glu Glu Thr Arg Pro Ser  
 210 215 220

Lys Gln Phe Ala Val Pro Ala Lys Pro Trp Pro Ser Ser Asn Thr Arg  
 225 230 235 240

Gln Thr Leu Asp Ser Arg Gln Gly Thr Ala Ala Ser Arg Ala Lys Ala  
 245 250 255

Arg Ser Pro Ser Pro Arg Pro Arg Arg Gln Ser Asn Gly Lys Ala Thr  
 260 265 270

Asp Thr Arg Gly Gly Asn Lys Val Val Asp Glu Leu Lys Pro Lys Gly  
 275 280 285

Ala Ser Ser Ser Gln Ser Gly Ser Ala Ala Ala Ala Thr Ala Lys  
 290 295 300

Arg Met Ala Gly Ser Ser Lys Met Arg Val Ile Pro Ser Arg Tyr Ser  
 305 310 315 320

Leu Thr Pro Gly Ala Ser Leu Gly Ser Ser Gly Ala Gln Glu Arg Arg  
 325 330 335

Arg Lys Gln Ser Leu Pro Gly Ser Ser Gly Asp Ala Asn Gln Asn Glu  
 340 345 350

Glu Ile Arg Ala Lys Val Ile Glu Pro Ser Asn Asp Pro Leu Ser Pro  
 355 360 365

Gln Thr Ile Ser Lys Val Ala Glu Met Leu Pro Lys Ile Arg Thr Met  
 370 375 380

Pro Pro Pro Asp Glu Ser Pro Arg Asp Ser Gly Cys Ala Lys Arg Val  
 385 390 395 400

Ala Glu Leu Val Gly Lys Arg Ser Phe Phe Thr Ala Ala Ala Glu Asp  
 405 410 415

Gly Arg Ala Leu Asp Val Glu Ala Pro Glu Ala Val Ala Glu Ala  
 420 425 430

<210> 5  
 <211> 1860  
 <212> DNA  
 <213> *Medicago trunculata*

<220>  
 <221> misc\_feature  
 <223> seedyl coding sequence

<400> 5  
 aaaaacgtta aggactaaaa atataataaa atttaagtag ggattcataa tggaagcacc 60  
 cctatttaca gggatcttaa atataattaa ccctaattatt tatgacagaaa acccttttga 120  
 aatcacatcg gagcgtgtat gagtagccgt ttcacatcca acggccagta agagcgtaac 180  
 ttatattctt ccctcttcaa tctccaacgg tcacataatc tcttccaaat acaaataatt 240  
 ccctcttca acctcaactt tcatttcttc aacccaaacc caaaaaacta atcagattct 300  
 tcttaaatct tgaaacctt ctccttcaaaag cacttaataa aaaaagcact taaccatgaa 360

## CD105PCT.ST25.txt

taacacaaaac	aacaacaaca	ttcttcttca	ttccacacag	gttcaagtgt	ggaacaacgc	420
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aaacccatcc	gcattcaaca	ttgttccttc	ttcaaacaaa	agaactattg	atgatgaaat	540
tgcgaaatt	gaaagtaaa	ttaagcgatt	aacttcgaag	ctggaaattgc	ttcggttga	600
aaaagctgaa	agaaaaatcg	ttctgtaaaa	gcgtgttagt	ggaattggta	ctggagaat	660
atgtagcagcg	aagtttatgg	aaccgaagaa	aaacgttaca	ccgaaacgaa	acgggtgtcg	720
tttcaaggag	gagacaccga	aacgaaacgg	tgtcgtttcg	gatacggccga	aatctagggt	780
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gccggcgatg	acgattactc	cggcgacggt	aatcggagg	aagtcttgtt	tctgaaacc	900
gcaggaaagt	tgtgaagtaa	tgccgtcggg	gattactccg	gcgacggta	ataggaggaa	960
atcttgttt	ttgaaacctc	aagaaagttt	tgaagaaaat	cgaagaaaaa	cgatttgc	1020
accgaatttg	aatttgaatt	caaattcagt	taattctgcg	gttggatcga	ttaagcgtgt	1080
gaagaagaaa	gatgaagaaa	ttgctcaggt	tcaaccgaag	aagctgttt	aaggtgaaaa	1140
atcagtgaag	aaatcggtt	aacaaggtag	aattgttgc	agccggata	attccggtgg	1200
tggtggttgt	gatgcgagga	aaagatcggt	ttcggagaat	aataagggtt	tagggagtga	1260
aatcagggct	aagaagagat	gggagatacc	aattgaagaa	gtggatgtga	gtgggtttgt	1320
tatgttaccc	aagatttgc	caatgaggtt	tgttgatgag	agtcctagag	attctggtgc	1380
tgttaaaaga	gttgctgaat	tgaatggaaa	aagatcttac	ttttgtgt	aagatgagga	1440
ggagagagtg	atgggtggagg	aagaagggtgg	ttctgtttgt	cagggtttga	atttgctga	1500
agatgatgat	gatgatgtat	attatgttga	acaagggtaa	ttgtggaaat	tggaatttgc	1560
ttgtttttgt	gggggttgt	ggaactggct	atgttctgt	tgattcttt	gcattttgg	1620
gtgaaactaa	agatgaggtg	aaaagtttat	gcttgtaaa	ttggattgt	ttatatgttt	1680
tgaaataata	acaacaagca	tgtgtcttgc	ttaataattt	tatattgtt	tgtttttttt	1740
ataatgatat	ggatttaatt	tgtatacaca	atataatata	gtatgcattt	agagagttt	1800
tcgtttagt	ttcattctga	tttttagt	tatctcattt	tagaagat	tatttgtt	1860

<210> 6  
<211> 394  
<212> PRT  
<213> *Medicago trunculata*

<220>  
<221> MISC\_FEATURE  
<223> *seedyl protein*

<400> 6  
Met Asn Asn Thr Asn Asn Asn Asn Ile Leu Leu His Ser Thr Gln Val  
1 5 10 15

Gln Val Trp Asn Asn Ala Ala Phe Asp Gly Glu Asp Phe Ala Met Asn  
20 25 30

Ser Ser Ser Asp Ser Ile Lys Glu Asn Leu Asn Pro Ser Ala Phe Asn  
35 40 45

Ile Val Pro Ser Ser Asn Lys Arg Thr Ile Asp Asp Glu Ile Ala Glu  
50 55 60

Ile Glu Ser Glu Ile Lys Arg Leu Thr Ser Lys Leu Glu Leu Leu Arg  
65 70 75 80

Val Glu Lys Ala Glu Arg Lys Ile Ala Ser Glu Lys Arg Val Ser Gly  
85 90 95

Ile Gly Thr Gly Arg Ile Val Ala Ala Lys Phe Met Glu Pro Lys Lys  
100 105 110

Asn Val Thr Pro Lys Arg Asn Gly Val Val Phe Lys Glu Glu Thr Pro  
115 120 125

## CD105PCT.ST25.txt

Lys Arg Asn Gly Val Val Ser Asp Thr Pro Lys Ser Arg Val Asn Trp  
130 135 140

Arg Arg Gly Met Ser Leu Gly Pro Met Glu Ile Ala Gly Lys Val Met  
145 150 155 160

Ala Pro Pro Ala Met Thr Ile Thr Pro Ala Thr Val Asn Arg Arg Lys  
165 170 175

Ser Cys Phe Trp Lys Pro Gln Glu Ser Cys Glu Val Met Pro Ser Gly  
180 185 190

Ile Thr Pro Ala Thr Val Asn Arg Arg Lys Ser Cys Phe Leu Lys Pro  
195 200 205

Gln Glu Ser Cys Glu Glu Asn Arg Arg Lys Thr Ile Cys Lys Pro Asn  
210 215 220

Leu Asn Leu Asn Ser Asn Ser Val Asn Ser Ala Val Gly Ser Ile Lys  
225 230 235 240

Arg Val Lys Lys Lys Asp Glu Glu Ile Ala Gln Val Gln Pro Lys Lys  
245 250 255

Leu Phe Glu Gly Glu Lys Ser Val Lys Lys Ser Leu Lys Gln Gly Arg  
260 265 270

Ile Val Ala Ser Arg Tyr Asn Ser Gly Gly Gly Gly Asp Ala Arg  
275 280 285

Lys Arg Ser Phe Ser Glu Asn Asn Lys Gly Leu Gly Ser Glu Ile Arg  
290 295 300

Ala Lys Lys Arg Trp Glu Ile Pro Ile Glu Glu Val Asp Val Ser Gly  
305 310 315 320

Phe Val Met Leu Pro Lys Ile Ser Thr Met Arg Phe Val Asp Glu Ser  
325 330 335

Pro Arg Asp Ser Gly Ala Val Lys Arg Val Ala Glu Leu Asn Gly Lys  
340 345 350

Arg Ser Tyr Phe Cys Asp Glu Asp Glu Glu Glu Arg Val Met Val Glu  
355 360 365

Glu Glu Gly Gly Ser Val Cys Gln Val Leu Asn Phe Ala Glu Asp Asp  
370 375 380

Asp Asp Asp Asp Asp Tyr Gly Glu Gln Gly  
385 390

<210> 7  
<211> 674  
<212> DNA  
<213> Saccharum sp.

<220>  
<221> misc\_feature

## CD105PCT.ST25.txt

<223> seedy1 coding sequence (partial 5' end)

<220>

<221> misc\_feature

<222> (362)..(362)

<223> n can be a, c, g or t

<220>

<221> misc\_feature

<222> (372)..(372)

<223> n can be a, c, g or t

<220>

<221> misc\_feature

<222> (674)..(674)

<223> n can be a, c, g or t

<400> 7

cgcacccgcga	gtttcgaaaa	accaacctat	cgcgcttcag	atcacgcgag	gacgcgaggg	60
gaagcaggaa	tccctccgct	cccagccgcc	tcctccgctc	acccatcgat	cgatcggtccg	120
tccgggtccag	ggggctctcc	ggcggcggtg	gcatggagg	aggacccgt	catcccgctg	180
gtgcacgtct	ggaacaacgc	cgccttcgac	cacgcctct	cctccgcgtg	gcacgcac	240
tccctgtgc	ccgcgagcgc	acgtcgcgag	gcggaggggg	acaaggagaa	ccacggcccc	300
gaccccgacc	ccgacgtcga	ggcggagatc	ggccacatcg	aggcggagat	cctgcgcctg	360
tncaccacct	tcgcacctcc	aagcagtctgg	agccgtccaa	gcgcggagag	420	
gtcgccccc	cgcccgccgc	gaaggcgaaa	gcggccggcg	cgcgccggct	gcggacgcgg	480
gggctcagcc	tggcccgct	cgacgtcgc	gctgcggta	accccaaccc	gctcaccacc	540
gacaaccagc	agcagcagcc	gcgtgcccgc	cagggtctga	agccgatcaa	gcaggccacg	600
gcggccggcg	gcaaggcggt	aagacttggg	ccccttcgac	atggtcggcg	cgaaccctag	660
gtccctccg	cccn					674

<210> 8

<211> 166

<212> PRT

<213> Saccharum sp.

<220>

<221> MISC\_FEATURE

<223> seedy1 protein

<220>

<221> MISC\_FEATURE

<223> seedy1 protein (partial N term)

<220>

<221> MISC\_FEATURE

<222> (70)..(70)

<223> Xaa can be any amino acid

<400> 8

Met	Glu	Glu	Asp	Pro	Leu	Ile	Pro	Leu	Val	His	Val	Trp	Asn	Asn	Ala
1					5				10				15		

Ala	Phe	Asp	His	Ala	Ser	Ser	Ala	Trp	His	Ala	His	Ser	Pro	Val
					20			25			30			

Pro	Ala	Ser	Ala	Arg	Arg	Glu	Ala	Glu	Gly	Asp	Lys	Glu	Asn	His	Arg
				35		40					45				

## CD105PCT.ST25.txt

Pro Asp Pro Asp Pro Asp Val Glu Ala Glu Ile Gly His Ile Glu Ala  
 50 55 60

Glu Ile Leu Arg Leu Xaa Ser Arg Leu His His Leu Arg Thr Ser Lys  
 65 70 75 80

Gln Ser Glu Pro Ser Lys Arg Gly Glu Val Ala Pro Ala Pro Ala Ala  
 85 90 95

Lys Ala Lys Ala Ala Ala Ala Arg Leu Arg Thr Arg Gly Leu Ser  
 100 105 110

Leu Gly Pro Leu Asp Val Ala Ala Gly Asn Pro Asn Pro Leu Thr  
 115 120 125

Thr Asp Asn Gln Gln Gln Pro Arg Ala Ala Gln Gly Leu Lys Pro  
 130 135 140

Ile Lys Gln Ala Thr Ala Ala Ala Gly Lys Gly Val Arg Leu Gly Pro  
 145 150 155 160

Leu Arg His Gly Arg Arg  
 165

<210> 9  
 <211> 876  
 <212> DNA  
 <213> Zea mays

<220>  
 <221> misc\_feature  
 <223> seedyl coding sequence (partial 3' end)

<220>  
 <221> misc\_feature  
 <222> (869)..(869)  
 <223> n = a, c, g or t

<400> 9

ccacgcgtcc	ggccgttcga	gaggaggaag	gccagcgttc	caaggagcac	gccgtccccg	60
ccagaccgtg	gccatccagc	aatgccaggc	acccactgga	tgccaggcaa	ggcacccgca	120
caagcagagc	caaggcgagg	agcgggagca	taagccccag	caggttcagg	aggcagtcca	180
cttccaaggc	tgccgagaca	agagcgggaa	atgccaagcc	tacagaggcg	acgaggggag	240
ggagcgaagg	ggtaatcac	accagcaatg	tagccacgac	gaagaggccg	gcggggagct	300
ccaaggtcag	ggttgtcccg	agccgctaca	gcatcccacc	tggctcctcc	ctagcagctg	360
tgacacaaagg	caaccatgc	aagcagtctc	tcccaggatc	ggctactgag	accagagtaa	420
atctcaactg	gccggcgaac	gacgagttgt	ctectaaga	acttgcacaag	gttgcagagc	480
tgtctccaag	gattaggacc	atgcccctt	ctgatgagag	cccgcgtgac	tcgggatgtg	540
ccaagcgtgt	tgctgatttg	gtcgggaaagc	gatccttctt	cactgctgca	ggggacgatg	600
gcaatctcg	tacgcccata	caggcacggg	tggtaact	tgaatcaccc	gaggcagcag	660
cagaagaagg	agaagcttga	gaagttgtc	tttgatcaat	tccgaagtgg	cttgcacatctg	720
ggcgtggcct	ctttttgcag	tgtgtgctac	tacatagtct	actgttacat	tcatatcata	780
tcacatttcc	tatttttcc	cccttgagac	attgcttagt	acttttgtt	tgccttgtga	840
aaagagagtg	gaaggttcat	ctgctgatnc	cttggt			876

<210> 10  
 <211> 224  
 <212> PRT  
 <213> Zea mays

## CD105PCT.ST25.txt

<220>  
<221> MISC\_FEATURE  
<223> seedyl protein (partial C term)

<400> 10  
Thr Arg Pro Ala Val Arg Glu Glu Glu Gly Gln Arg Ser Lys Glu His  
1 5 10 15

Ala Val Pro Ala Arg Pro Trp Pro Ser Ser Asn Ala Arg His Pro Leu  
20 25 30

Asp Ala Arg Gln Gly Thr Ala Ala Ser Arg Ala Lys Ala Arg Ser Gly  
35 40 45

Ser Ile Ser Pro Ser Arg Phe Arg Arg Gln Ser Thr Ser Lys Ala Ala  
50 55 60

Glu Thr Arg Ala Gly Asn Ala Lys Pro Thr Glu Ala Thr Arg Gly Gly  
65 70 75 80

Ser Glu Ala Val Asn His Thr Ser Asn Val Ala Thr Thr Lys Arg Pro  
85 90 95

Ala Gly Ser Ser Lys Val Arg Val Val Pro Ser Arg Tyr Ser Ile Pro  
100 105 110

Pro Gly Ser Ser Leu Ala Ala Val Thr Gln Gly Asn Arg Cys Lys Gln  
115 120 125

Ser Leu Pro Gly Ser Ala Thr Glu Thr Arg Val Asn Leu Thr Glu Pro  
130 135 140

Pro Asn Asp Glu Leu Ser Pro Glu Glu Leu Ala Lys Val Ala Glu Leu  
145 150 155 160

Leu Pro Arg Ile Arg Thr Met Pro Pro Ser Asp Glu Ser Pro Arg Asp  
165 170 175

Ser Gly Cys Ala Lys Arg Val Ala Asp Leu Val Gly Lys Arg Ser Phe  
180 185 190

Phe Thr Ala Ala Gly Asp Asp Gly Asn Leu Val Thr Pro Tyr Gln Ala  
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## CD105PCT.ST25.txt

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Ser Ala Ile Glu Ala Ser Ser Trp Ser His Leu Asn Glu Ser Phe Asp  
35 40 45

Ser Asp Cys Ser Lys Glu Asn Gln Phe Pro Ile Ser Val Ser Ser Ser  
50 55 60

Leu Gln Ser Ser Val Ser Ile Thr Glu Ala Pro Ser Ala Lys Ser Lys  
65 70 75 80

Thr Val Lys Thr Lys Ser Ala Ala Asp Arg Ser Lys Lys Arg Asp Ile  
85 90 95

Asp Ala Glu Ile Glu Glu Val Glu Lys Glu Ile Gly Arg Leu Ser Thr  
100 105 110

Lys Leu Glu Ser Leu Arg Leu Glu Lys Ala Glu Gln Thr Ala Arg Ser  
115 120 125

Ile Ala Ile Arg Gly Arg Ile Val Pro Ala Lys Phe Met Glu Ser Ser  
130 135 140

Gln Lys Gln Val Lys Phe Asp Asp Ser Cys Phe Thr Gly Ser Lys Ser  
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Arg Arg Lys Ser Cys Phe Phe Lys Leu Pro Gly Ile Glu Glu Gly Gln			
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Val Thr Thr Arg Gly Lys Gly Arg Thr Ser Leu Ser Leu Ser Pro Arg			
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245	250		255
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Arg Lys Pro Leu Lys Pro Gly Arg Val Val Ala Ser Arg Tyr Ser Gln			
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Ala Ser Asp Glu Ser Asn Lys Ser Glu Gly Arg Val Lys Lys Arg Trp			
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Glu Ile Pro Ser Glu Val Asp Leu Tyr Ser Ser Gly Glu Asn Gly Asp			
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## CD105PCT.ST25.txt

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&lt;211&gt; 668

&lt;212&gt; DNA

&lt;213&gt; Oryza sativa

## CD105PCT.ST25.txt

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<223> Xaa can be any amino acid

<220>
<221> MISC_FEATURE
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<210> 16
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<212> PRT
<213> Artificial sequence

<220>
<223> Motif 2 CORE SEQUENCE

<220>
<221> MISC_FEATURE
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<210> 17
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## CD105PCT.ST25.txt

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<220>  
<223> Motif 3 (coiled coil) CORE SEQUENCE

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CD105PCT.ST25.txt

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